

CURRICULUM VITAE



Fazli Wahid, *BS Biotech., MS Biotech., Ph.D., Biotech*
Associate Professor

Department Biomedical Sciences

Manager, Advanced Studies and Research Board (ASRB)

Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology,
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PERSONAL

Nationality: Pakistani

Date of Birth: April 1st, 1984

Country of Birth: Pakistan

ACADEMIC QUALIFICATIONS

<u>Degree/Certificate</u>	<u>Year</u>	<u>Institute</u>
Ph.D Biomedical Sciences	2013	Kyungpook National University, Taegu, South Korea
M.S. Biomedical Sciences	2010	Kyungpook National University, Taegu, South Korea
BS Biotechnology	2007	University of Peshawar, Pakistan
H.S.S.C.	2002	Govt. Post Graduate Collage Charsadda, Pakistan
S. S.C.	2000	Govt. High School, Harichand, Tangi, Pakistan

Special Diploma Course in 2006 National University of Modern 83 % marks
English Language, languages Islamabad, Pakistan

THESIS PROJECT

<u>Degree</u>	<u>Title</u>	<u>Supervisor</u>
<u>Ph.D</u>	Effects of selected natural products and nano-materials on visual system of vertebrate's eye and protection against glutamate induced toxicity in cultured retinal neurons	Prof. You Young Kim
<u>M.S.</u>	Effects of Red Ginseng Extracts on Visual Processes of Vertebrate Retina.	Prof. You Young Kim

Specialization and Research Interests

Biomedical Science, Regenerative and Nanomedicine, Tissue Engineering, Molecular Neurobiology, Nanomedicine, Natural Product Research

PROFESSIONAL EXPERIENCE

<u>Position</u>	<u>Organization</u>	<u>From To</u>
Associate Professor	Department Biomedical Sciences, Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology, Haripur, Pakistan	17-03-2020 to till date
Assistant Professor	Department of Biotechnology, COMSATS University Islamabad, Abbottabad Campus	19-09-2013 to 17-03-2020
Research Associate	Molecular Physiological Biochemistry Laboratory, School of Life Sciences and Biotechnology, Kyungpook National University, South Korea	18-2-2008 to 6-8-2013
Lecturer	Department of Biotech, Sarhad University of Science and Technology, Peshawar, Pakistan	03-09-2007 to 02-02-2008

ADMINISTRATIVE EXPERIENCE

<u>Position</u>	<u>Organization</u>	<u>From To</u>
Manager, Advanced Studies and Research Board (ASRB)	Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology, Haripur, Pakistan	08-05-2020 to till date

RESEARCH PROJECTS

Investigator	Title of the Project	Amount	Funding Body	Status
Principal	Wound Healing and Tissue Regeneration Activities of Bacterial Cellulose-Montmorillonite Nano-reinforced Composite Films in Burn Mice Models	0.5 million	HEC	Completed
Principal	Phytochemical Evaluation and Anti-angiogenic Effects of <i>Morus alba</i> and <i>Catharanthus roseus</i> for the Treatment of Corneal Neovascularization	0.2 million	CUI	Completed
Co-Principal	Molecular and Mechanistic Studies of Selected Medicinal Plants for the Treatment of Hepatitis C Virus by Inhibiting Core Gene Expression of Genotype 3a	0.5 million	HEC	Completed
Co-Principal	Identification of Genes Involved in Human Hereditary Skin Conditions	0.5 million	HEC	Completed
Co-Principal	Cellular and Molecular Studies on <i>Hedera nepalensis</i> , <i>Nigella sativa</i> , <i>Azadirachta indica</i> , <i>Centela asiatica</i> , <i>Lavandula stoechas</i> , <i>Spharanthus indicus</i> and <i>Carissa opaca</i> for the Treatment of Breast Cancer	4 million	HEC	Completed
Co-Principal	Use of Clean Technology to Convert Industrial Wastes into Valuable Biomedical Materials by Micro-organisms	0.2 million	CUI	Completed
Co-Principal	Development of Bacterial Cellulose-green Synthesized Metallic Oxides Nanocomposites as a Smart Dressing System for Cutaneous Burns	0.3 million	CUI	In-progress

PATENTS

S. NO	Title of Invention	Patent No.
1.	Wound healing topical formulation and preparation thereof	16/827,940 (Filed) US
2.	Wound healing topical formulation and preparation thereof	193/2019 (Filed) Pakistan

RESEARCH PUBLICATIONS

No	Reference	Year	I.F. 2019	Country
1.	R. Haghniaz, A. Rabbani, F. Vajhadin, T. Khan, R. Kousar, A. R. Khan, H. Montazerian, J. Iqbal, A. Libanori, H. J. Kim and Fazli Wahid* . Anti-bacterial and wound healing promoting effects of zinc ferrite nanoparticles. <i>Journal of Nanobiotechnology</i> . https://doi.org/10.1186/s12951-021-00776-w	2021	6.518	England
2.	F. Subhan, Z. Hussain, I. Tauseef, A. Shehzad and Fazli Wahid* . A review on recent advances and applications of fish collagen. <i>Critical Reviews in Food Science and Nutrition</i> . 1-11. https://doi.org/10.1080/10408398.2020.1751585 . *Corresponding author	2020	7.862	England
3.	W. Sajjad, F. He, M. W. Ullah, M. Ikram, S. M. Shah, R. Khan, T. Khan, A. Khalid, G. Yang, and Fazli Wahid , Fabrication of Bacterial Cellulose-Curcumin Nanocomposite as a Novel Dressing for Partial Thickness Skin Burn. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020; 8: 553037. https://doi.org/10.3389/fbioe.2020.553037	2020	3.644	Switzerland
4.	T. Khan, M. Badshah, H. Ullah, F. He, Fazli Wahid , U. Farooq and M. Andersson. Development and Evaluation of Drug Loaded Regenerated Bacterial Cellulose-based Matrices as a Potential Dosage Form. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020; 8:579404. https://doi.org/10.3389/fbioe.2020.579404	2020	3.644	Switzerland
5.	M. Badshah, H. Ullah, Fazli Wahid , T. Khan. Bacterial Cellulose-Based Metallic Green Nanocomposites for Biomedical and Pharmaceutical Applications. <i>Current Pharmaceutical Design</i> . https://doi.org/10.2174/1381612826666201006125142	2020	2.208	UAE
6.	Said, N. Naeem, S. Siraj, T. Khan, A. Javed, H. Majid Rasheed, W. Sajjad, K. Shah, Fazli Wahid . Mechanisms Underlying the Wound Healing and Tissue Regeneration Properties of <i>Chenopodium album</i> . <i>3 Biotech</i> . 10, 452 (2020). https://doi.org/10.1007/s13205-	2020	1.798	Germany

	020-02436-6			
7.	N. Zafar, A. Madni, A. Khalid, T. Khan, R. Kousar, S. Sohaila Naz, Fazli Wahid . Pharmaceutical and Biomedical Applications of Green Synthesized Metal and Metal Oxide Nanoparticles, <i>Current Pharmaceutical Design</i> . (2020) 26: 1. https://doi.org/10.2174/1381612826666201126144805	2020	2.208	UAE
8.	HM Rasheed, Fazli Wahid , R Qayyum, AJ Shah, T Khan. Chemical Composition and Pharmacological Evaluation of Essential Oil from <i>Jasminum officinale</i> Flowers for Spasmolytic and Vasodilator Activities. <i>FARMACIA</i> 68 (4), 722-727. DOI: 10.31925/farmacia.2020.4.19	2020	1.607	Romania
9.	A. Madni, A. Khalid, Fazli Wahid, H. Ayub, R. Khan and R. Kousar. Preparation and Applications of Guar Gum Composites in Biomedical, Pharmaceutical, Food and Cosmetics Industries, <i>Current Nanoscience</i> (2020) 16: 1. https://doi.org/10.2174/1573413716999201110142551	2020	1.836	UAE
10.	M. Badshah, H. Ullah, Fazli Wahid and T. Khan. Properties and Applications of Modified Bacterial Cellulose-Based Materials. <i>Current Nanoscience</i> . https://doi.org/10.2174/1573413716999201106145528	2020	1.836	UAE
11.	W. Sajjad, T. Khan, M. Ul-Islam, R. Khan, Fazli Wahid* . Development of modified montmorillonite-bacterial cellulose nanocomposites as a novel substitute for burn skin and tissue regeneration. <i>Carbohydrate Polymers</i> , 206, 548-556. *Corresponding author	2019	7.182	England
12.	Z. Hussain, W. Sajjad, T. Khan, and Fazli Wahid* . Production of Bacterial Cellulose from Industrial Wastes: A Review. <i>Cellulose</i> . 26, 2895–2911. *Corresponding author	2019	4.210	England
13.	Ali Said, Fazli Wahid* , Kashif Bashir, Hafiz Majid Rasheed, Taous Khan, Zohaib Hussain, and Sami Siraj*. <i>Sauromatum guttatum</i> extract Promotes Wound Healing and Tissue	2019	2.971	England

	Regeneration in Burn Mice Model via Up-regulation of Growth Factors. <i>Pharmaceutical Biology</i> . https://doi.org/10.1080/13880209.2019.1676266 . *Corresponding author			
14.	A. Madni, R. Khan, M. Ikram, S. S. Naz, T. Khan, and Fazli Wahid* . Fabrication and Characterization of Chitosan–Vitamin C–Lactic Acid Composite Membrane for Potential Skin Tissue Engineering. <i>International Journal of Polymer Science</i> . Article ID 4362395, 8 pages. https://doi.org/10.1155/2019/4362395 . *Corresponding author	2019	1.646	England
15.	S. Khan, H. Ayub, T. Khan and Fazli Wahid* . MicroRNA biogenesis, gene silencing mechanisms and role in breast, ovarian and prostate cancer. <i>Biochimie</i> . 167:12-24. *Corresponding author	2019	3.413	France
16.	A. Shoukat, Fazli Wahid , T. Khan, M. Siddique, S. Nasreen, G. Yang, M. Wajid Ullah, R. Khan. Titanium oxide-bacterial cellulose bioadsorbent for the removal of lead ions from aqueous solution. <i>International Journal of Biological Macromolecules</i> . 129: 965-971	2019	5.162	Germany
17.	N. Mansoor, Fazli Wahid , M. Azam, K. Shah, R. Qamar and H. Ayub. Molecular Mechanisms of Complement System Proteins and Matrix Metalloproteinases in the Pathogenesis of Age-Related Macular Degeneration. <i>Current Molecular Medicine</i> . doi: 10.2174/1566524019666190828150625	2019	1.6	UAE
18.	H. Ullah, M. Badshah, A. Correia, Fazli Wahid , H. A. Santos, and T. Khan. Functionalized Bacterial Cellulose Microparticles for Drug Delivery in Biomedical Applications. <i>Current Pharmaceutical Design</i> . 25(34):3692-3701.	2019	2.208	UAE
19.	Z. Qureshi, T. Khan, A. Khalid, Z. Rehman, A. J. Shah and Fazli Wahid* , <i>Solanum incanum</i> Extract Enhances Wound Healing and Tissue Regeneration in Burn Mice Model. <i>Bangladesh Journal of Pharmacology</i> . 14: 101-106. *Corresponding author	2019	1.306	Bangladesh
20.	Y.N. William, A. Gilbert, A.J. Shah, Fazli Wahid , M.	2019	ISI	Germany

	Marius, M.A. Yameen, S.L. Shah, K. Bashir, W. Sajjad, J.R. Kuate, K. Albert, T. Khan. Curative effects of <i>Distemonanthus benthamianus</i> Baillon. trunk-bark extracts on enteropathogenic <i>Escherichia coli</i> 31-induced diarrhoea in rats. <i>Journal of Complementary and Integrative Medicine</i> . https://doi.org/10.1515/jcim-2018-0202			
21.	Syed Luqman Shah, Fazli Wahid* , Noorullah Khan, Umar Farooq, Abdul Jabbar Shah, Shah Tareen, Fiaz Ahmad and Taous Khan. Inhibitory Effects of <i>Glycyrrhiza glabra</i> and Its Major Constituent Glycyrrhizin on Inflammation-Associated Corneal Neovascularization. <i>Evidence-Based Complementary and Alternative Medicine</i> . Volume 2018, Article ID 8438101, 8 pages. *Corresponding author	2018	1.813	England
22.	Tahir Y, Shazia R, Fazli Wahid , Sidra R, Abdul N, Javeria R, Kashif A, Ghulam S, and Shahid M S. Phytochemical Profiling and Antiviral Activity of <i>Ajuga bracteosa</i> , <i>Ajuga parviflora</i> , <i>Berberis lycium</i> and <i>Citrus lemon</i> against Hepatitis C Virus. <i>Microbial Pathogenesis</i> , 118:154-158.	2018	2.914	England
23.	M. Qureshi, E A. Al-Suhaimi, Fazli Wahid , O. Shehzad, A. Shehzad. Therapeutic potential of curcumin for multiple sclerosis. <i>Neurological Sciences</i> , 39, 207–214.	2018	2.415	Germany
24.	A. Khalid, H. Ullah, M. Ul-Islam, R. Khan, S. Khan, F. Ahmad, T. Khan & Fazli Wahid* . Bacterial Cellulose-TiO ₂ Nanocomposites Promotes Healing and Tissue Regeneration in Burn Mice Model. <i>RSC Advances</i> , 47662-47668. *Corresponding author	2017	3.119	England
25.	Ayesha Khalid, R. Khan, M. Ul-Islam, T. Khan, Fazli Wahid* . Bacterial Cellulose-Zinc Oxide Nanocomposites as a Novel Dressing System for Burn Wounds. <i>Carbohydrate Polymers</i> . 164, 214-221. *Corresponding author	2017	7.182	England
26.	A. Khan, S. Shah, Fazli Wahid , F. G. Khan, Saima Jabeen.	2017	3.336	England

	MicroRNA precursors identification using reduced and hybrid features. <i>Molecular BioSystems</i> , 13, 1640-1645			
27.	A. Saeed, Fazli Wahid , H. M. Rasheed, R. Qayyum, A. J. Shah, Taous Khan. Effects of <i>Heliotropium strigosum</i> and <i>Trapa bicornis</i> in hyperactive gut disorders. <i>Bangladesh Journal of Pharmacology</i> , 12, 190-196	2017	1.306	Bangladesh
28.	H. Ullah, Fazli Wahid , H. A. Santos, and T. Khan. Advances in Biomedical and Pharmaceutical Applications of Functional Bacterial Cellulose-Based Nanocomposites. <i>Carbohydrate Polymers</i> . 150, 330-352	2016	7.182	England
29.	TK Sayyad Ali, Rahila Qayyum, Izhar Hussain, Fazli Wahid , Abdul Jabbar Shah. Intestinal and vascular smooth muscle relaxant effect of <i>Viscum album</i> explains its medicinal use in hyperactive gut disorders and hypertension. <i>BMC Complementary and Alternative Medicine</i> 16, 251.	2016	2.833	England
30.	Fazli Wahid* , T. Khan, O. Shehzad, A. Shehzad, and Y.Y. Kim. Phytochemical analysis and effects of <i>Pteris vittata</i> extract on visual processes. <i>Journal of Natural Medicines</i> . 70, 8-17. *Corresponding author	2016	2.055	Japan
31.	H. M. Rasheed, T. Khan, Fazli Wahid* , R. Khan, A. J. Shah (2016) Chemical composition and vascular and intestinal smooth muscle relaxant effects of the essential oil from <i>Psidium guajava</i> fruit. <i>Pharmaceutical Biology</i> . DOI: 10.1080/13880209.2016.1178309	2016	2.971	England
32.	Fazli Wahid* , R. Khan, T. Khan, M. Ul-Islam and Y.Y. Kim. Effects of Nickel Oxide Nanoparticles on Visual Processes and Electro-retinography Waves in the Bullfrog Eye. <i>Journal of the Chemical Society of Pakistan</i> , 38, 56-62. *Corresponding author	2016	0.300	Pakistan
33.	A. Haider, A. Shehzad, Fazli Wahid , A. Kumar, K. M. Rao and S. S. Han. The Multi Regulatory Role of Signal Transducer and Activator of Transcription Factor Brn-3a. <i>Journal of Neurology and</i>	2016	-----	Spain

	Neuroscience 7 (2), 1-7.			
34.	M. A. N. Khan, M. Siddique, Fazli Wahid , R. Khan. Removal of reactive blue 19 dye by sono, photo and sonophotocatalytic oxidation using visible light. <i>Ultrasonics Sonochemistry</i> . 26 (0), 370-377.	2015	6.513	England
35.	W.A. Khattak, T. Khan, M. Ul-Islam, Fazli Wahid , J.K. Park. Production, characterization and physico-mechanical properties of bacterial cellulose from industrial wastes. <i>Journal of Polymers and the Environment</i> . 23, 45-53.	2015	2.572	U.S.A
36.	W.A. Khattak, T. Khan, M. Ul-Islam, M.W. Ullah, S. Khan, Fazli Wahid , J.K. Park, Production, characterization and biological features of bacterial cellulose from scum obtained during preparation of sugarcane jaggery (gur). <i>Journal of Food Science and Technology</i> , 52, 8343-8349	2015	1.946	India
37.	H.M. Rasheed, T. Khan, Fazli Wahid* , R. Khan, A.J. Shah, Chemical composition, vasorelaxant and antispasmodic effects of essential oil from <i>Rosa indica</i> L. petals, <i>Evidence-Based Complementary and Alternative Medicine</i> , vol. 2015, Article ID 279247, 9 pages, 2015. doi:10.1155/2015/279247	2015	1.813	England
38.	Fazli Wahid , T. Khan, S. Khan, Y.Y. Kim. MicroRNA and Diseases: Therapeutic Potential as New Generation of Drugs. <i>Biochimie</i> . 104:12-26.	2014	3.413	France
39.	Fazli Wahid* , T. Khan, A. Shehzad, M. Ul-Islam, and Y. Y. Kim. Interaction of Nanomaterials with Cells and Their Medical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 14, 744-754. *Corresponding author	2014	1.134	U.S.A.
40.	A. Shehzad, M. Ul-Islam, Fazli Wahid , and Y. S. Lee. Multifunctional Polymeric Nanocurcumin for Cancer Therapy. <i>Journal of Nanoscience and Nanotechnology</i> , 14, 803-814.	2014	1.134	U.S.A.

41.	Fazli Wahid , M. Ul-Islam, R. Khan, T. Khan, W.A. Khattak, K. Hwang, J.S. Park, S.C Chang and Y.Y. Kim. Stimulatory Effects of Zinc Oxide Nanoparticles on Visual Sensitivity and ERG b-waves in the Bullfrog Eye. <i>Journal of Biomedical Nanotechnology</i> . 9, 1408-1415.	2013	4.483	U.S.A.
42.	K.H. Hwang, S.C. Chang, J.S. Park, Fazli Wahid and Y.Y. Kim* (2013) Anti-inflammatory Effects of Inhalation of Injured Starfish Extracts on Formaldehyde Exposure. <i>Korean Journal of Life Science</i> . 4, 501-509.	2013	-----	South Korea
43.	Fazli Wahid , H. Jung, T. Khan, K.H. Hwang, J.S. Park, S. Chang, M.A. Khan, Y.Y Kim. Effects of Rubus coreanus extract on visual processes in bullfrog's eye. <i>Journal of Ethnopharmacology</i> 138: 333–39.	2011	3.690	Ireland
44.	Fazli Wahid , A. Shehzad, T. Khan, and You Young Kim (2010) microRNA: Synthesis, Mechanism, Function and Recent Clinical Trials. <i>BBA-Molecular Cell Research</i> . 1803, 1231-43.	2010	4.105	Netherlands
45.	Fazli Wahid , H. Jung, T. Khan and Y.Y. Kim (2010) Effects of Red Ginseng Extracts on Visual Sensitivity and ERG b-wave of bullfrog's eye. <i>Planta Medica</i> , 76 (5):426-32.	2010	2.687	Germany
46.	A. Shehzad, Fazli Wahid , Young Sup Lee (2010). Cancer chemoprevention by curcumin: molecular targets, pharmacokinetics, bioavailability and clinical trials: A Review. <i>Archiv der Pharmazie</i> 343(9):489-99	2010	2.590	Germany
47.	G.H. Choi, Fazli Wahid and Y.Y. Kim. The Effect of Phytosphingosine like-Substance Isolated from <i>A. pectinifera</i> on Involucrin Expression in Mite Antigen-Stimulated HaCaT Cells. <i>Natural Product Communications</i> , 5 (7): 1081-1084	2010	0.468	U.S.A.
48.	Fazli Wahid , T. Khan, F. Subhan, Mir A. Khan and Y.Y. Kim (2009) Ginseng pharmacology: multiple molecular targets and recent clinical trials. <i>Drugs of the Future</i> , 35(5): 399-407	2009	0.073	Spain
49.	F. Subhan, A. Khan, Fazli Wahid , A. Shehzad, A.Ul. Jan.	2011	-----	South

	Determination of Optimal Toxic Concentration and Accumulation of Cadmium in Broiler Chicks. <i>Toxicological Research</i> 143-147.		-	Korea
50.	Fazli Wahid , Taous Khan, Kyung-hee Hwang and You Young Kim (2009) Piwi-interacting RNA in animals: The story so far. <i>African Journal of Biotechnology</i> , 8 (17): 4002-4006.	2009	-----	Kenya
Total Impact Factor of all Published Papers			137	
Total Google Scholar Citations			2071	
h-Index			18	

STUDENTS SUPERVISION

Supervisory Status	Name of Student	PhD/MS/BS	Title of Synopsis/ Tentative Titles	Status
Supervisor	Atiya Rabbani	PhD	Chitosan-Spinel Ferrite Nanocomposites as a Novel Antimicrobial and Wound Dressing System	In-progress
Supervisor	Ayesha Khalid	PhD	Functionalizing Bacterial Cellulose with Carbon Nanofillers to Develop a Smart Dressing System for Chronic Diabetic Wounds	In-progress
Co-supervisor	Hafiz Majid Rasheed	PhD	Bioactivity-Oriented Isolation and Characterization of Anti-Breast Cancer Constituents from <i>Sphaeranthus indicus</i> and <i>Lavandula stoechas</i>	In-progress
Co-supervisor	Zia Ur Rehman	PhD	Bioactivity-directed Isolation and Characterization of Anticancer Constituents from <i>Dryopteris ramosa</i> and <i>Equisetum arvense</i>	In-progress
Supervisor	Ahmad Madni	MS	Fabrication of Bacterial Cellulose-green Synthesized Metallic Oxides Nanocomposites Multifunctional Dressing System for Skin Burns	Completed Jan, 2020
Supervisor	Nabila Zaffar	MS	Evaluation of Antioxidant and Anticancer Potentials of <i>Nigella sativa</i> , <i>Azadirachta indica</i> and <i>Centella asiatica</i> Extract	Completed Jan, 2020
Supervisor	Naveera Naeem	MS	Development of Chitosan-Smectite Clay Based Flexible Burn Wound Dressing	Completed Aug. 2019
Supervisor	Zohaib Hussain	MS	Development of Multifunctional Scaffolds for Skin Tissue Engineering	Completed Jan. 2019
Supervisor	Wasim Sajjad	MS	Synthesis of Bacterial Cellulose and Composites Facial Masks for Potential Applications in Cosmetics	Completed Aug. 2018
Supervisor	Shah Tareen	MS	Evaluation of Honokiol, Umbelliferone and Continentalic Acid for the Treatment of Corneal Neovascularization	Completed Jan. 2017

Supervisor	Ayesha Khalid	MS	Wound Healing activities of Nano-reinforced Bacterial Cellulose Composite Films in Burn Mice Model	Completed Feb. 2016
Co-Supervisor	Noorullah Khan	MS	Phytochemical Analysis and Evaluation of Anti-angiogenic Potentials of <i>Achyranthes aspera</i> , <i>Juglans regia</i> , <i>Urtica dioica</i> , <i>Dodonea viscosa</i> and <i>Mentha longifolia</i>	Feb. 2017
Co-Supervisor	Zainab Qureshi	MS	Phytochemical Evaluation and Wound Healing Activity of <i>Melia azedarach</i> , <i>Tagetes minuta</i> and <i>Solanum incanum</i> in Burn Mice Model	Completed Aug. 2015
Co-Supervisor	Munir Ahmed	MS	Phytochemical Evaluation and Pharmacological Effects of <i>Piper longum</i> , <i>Dalbergia sissoo</i> and <i>Catharanthus roseus</i> in Corneal Neovascularization	Completed Aug. 2015
Co-Supervisor	Umar Farooq	MS	Phytochemical and pharmacological evaluation of <i>Azadirachta indica</i> , <i>Centella asiatica</i> , <i>Lavandula stoechas</i> and <i>Sphaeranthus indicus</i> for the treatment of corneal neovascularization	Completed Aug. 2014
Supervisor	Naveera Naeem	BS	Fabrication of chitosan based Na, Ca and Cu modified montmorillonites composites membrane as potential wound dressing system	Completed Aug. 2017
Supervisor	Nabila Zaffar	BS	Green synthesis of Metal Nanoparticles using <i>Brassica oleracea capitata</i> (Cabbage): Characterization and Antibacterial Activity	Completed Jan. 2018
Supervisor	Ahmad Madni	BS	Fabrication and Characterization of Chitosan-Vitamin C-Lactic acid Composite for Skin Tissue Engineering	Completed Jan. 2018
Supervisor	Sanna Khan	BS	A Review on MicroRNAs Biosynthesis, Mechanism and Role in Breast, Ovarian and Prostate Cancer	Completed Aug. 2018
Supervisor	Zohaib Hussain	BS	Production of Bacterial Cellulose from Industrial Wastes using <i>Acetobacter xylinum</i>	Completed Jan. 2017
Supervisor	Wasim Sajjad	BS	Fabrication and evaluation of bacterial cellulose-based composites for skin tissue engineering	Completed Aug. 2016

BOOK CHAPTERS

1. Ayesha Khalid, Naveera Naeem, Taous Khan and **Fazli Wahid***, Polysaccharide composites as a wound-healing sponge. In: Advanced Applications of Polysaccharides and their Composites. ed, Amir A.I-Ahmed and Inamuddin, published by; Materials Research Forum LLC USA. **2020**.
2. **Fazli Wahid**, T. Khan, Z. Hussain, H. Ullah, Nanocomposites Scaffolds for Tissue Engineering; Preparation, Properties and Applications. In: Applications of Nanocomposite Materials in Drug Delivery 1st ed, Inamuddin, A. M. Asiri, A. Mohammad (Eds.), Elsevier Inc., Imprint by Woodhead Publishing Ltd. UK. 2018.
3. M. Badshah, T. Khan, H. Ullah, **Fazli Wahid**, and M. W. Ullah. Applications of Nanofibrillar Celluloses in Drug Delivery: From Conventional Tablet Excipient to Novel

Drug Carrier. In: Nanocellulose Synthesis, Structure, Properties, and Applications, Guang Yang (Ed), World Scientific Publishers Cooperation, UK. Accepted. 2019.

In Press

4. **Fazli Wahid**, Antimicrobial green composites. In: Green Composites: Materials and Applications. ed, Inamuddin, Springer, U.K.
5. **Fazli Wahid**, Applications of guar gum composites. In: Green Composites: Materials and Applications. ed, Inamuddin, Springer, U.K.
6. **Fazli Wahid**, Green composites for drugs capsule coatings. In: Green Composites: Materials and Applications. ed, Inamuddin, Springer, U.K.

COURSES TAUGHT

Course Title	Credit Hours	PhD/Master/Undergrad	Students Feedback in %age
Immunology	2,0	Undergrad	N/A
Medical Biotechnology	3,0	PhD/Master	N/A
Immunology	2,0	Undergrad	80.8
Medical Biotechnology	3,0	PhD/Master	100
Immunology	2,0	Undergrad	90.2
Introduction to Nano-biotechnology	3,0	Undergrad	79.4
Immunology	2,0	Undergrad	87.4
Medical Biotechnology	3,0	Master	86
Medical Biotechnology	3,0	PhD	95.6
Immunology	2,0	Undergrad	85.8
Health biotechnology	2,0	Undergrad	78.8
Forensic Biotechnology	3,0	PhD	83.4
Medical Biotechnology	3,0	PhD	80
Medical Biotechnology	3,0	Master	95.6
Pharmaceutical Biotechnology	2,1	Undergrad	90
Pharmaceutical Biotechnology	2,1	Undergrad	89.6
Introduction to Nano-biotechnology	3,0	Undergrad	88
Pharmaceutical Biotechnology	2,1	Undergrad	90
Introduction to Nano-biotechnology	3,0	Undergrad	86.4
Pharmaceutical Biotechnology	3,0	Undergrad	90
Introduction to Nano-biotechnology	3,0	Undergrad	90.4
Pharmaceutical Biotechnology	3,0	Undergrad	90.2
Introduction to Nano-biotechnology	3,0	Undergrad	90.4
Pharmaceutical Biotechnology	3,0	Undergrad	Not yet received
Medical Biotechnology	3,0	PhD/Master	Not yet received
Animal Biotechnology	3,0	Undergrad	Not yet received
Pharmaceutical Biotechnology	3,0	Undergrad	Not yet received

EDITOR OF VARIOUS LEADING INTERNATIONAL JOURNALS

1. Editorial Board Member of Journal of Trends in Biotechnology: Open Access (Cresco Online Publishing, USA)
2. Editorial Board Member of Journal of RNA & DISEASE (Smart Science Technology)

ABSTRACTS/PRESENTATIONS IN SYMPOSIA, CONFERENCES & WORKSHOPS:

1. **Fazli Wahid**, International Workshop on Training of Trainers in Plant Biodiversity, November 23-25, 2006 Organized by Higher Education Commission of Pakistan.
2. **Fazli Wahid**, Certificate Course, an Introduction to Bioinorganic and Medicinal Chemistry of Metals by Institute of Chemical Sciences, University of Peshawar
3. Wasim Sajjad, Zohaib Hussain, Taous Khan and **Fazli Wahid*** “Bacterial Cellulose-Cu-Montmorillonite as Novel Dressing System for Burn wounds” Poster presented at 13th Biennial Conference of Pakistan Society for Biochemistry and Molecular Biology (PSBMB) on “Recent Advances & Challenges in Molecular Biology, Biochemistry and Biotechnology”. Organized by Center of Advanced Drug Research (CADR), COMSATS Institute of Information Technology, Abbottabad. (25-27 August, 2016). (***Corresponding Author**)
4. Zohaib Hussain, Wasim Sajjad, Taous Khan and **Fazli Wahid*** “BC-Curcumin Nanocomposites for Burn Wound Healing and Tissue Regeneration” Poster presented at 13th Biennial Conference of Pakistan Society for Biochemistry and Molecular Biology (PSBMB) on “Recent Advances & Challenges in Molecular Biology, Biochemistry and Biotechnology”. Organized by Center of Advanced Drug Research (CADR), COMSATS Institute of Information Technology, Abbottabad. (25-27 August, 2016). (***Corresponding Author**)
5. Wasim Sajjad, Taous Khan and **Fazli Wahid*** “Bacterial cellulose-Cu-montmorillonite nanocomposites as skin graft for partial thickness burn” Poster (P-04) presented at the 5th International Symposium on Biomedical Materials, PC Hotel Lahore. Organized by Interdisciplinary Research Centre in Biomedical Materials (IRCBM), COMSATS Institute of Information Technology, Lahore and University of Sheffield, UK. Page No 58 (14-16 December 2016). (***Corresponding Author**)
6. Zohaib Hussain, Wasim Sajjad, Ayesha Khalid, Taous Khan and **Fazli Wahid*** “Bacterial Cellulose-Curcumin Nanocomposites as a Novel Dressing Material for Burn Wounds” Poster (P-05) presented at the 5th International Symposium on Biomedical Materials, PC Hotel Lahore. Organized by Interdisciplinary Research Centre in Biomedical Materials

(IRCBM), COMSATS Institute of Information Technology, Lahore and University of Sheffield, UK. Page No 59 (14-16 December 2016). (*Corresponding Author)

7. Ayesha Khalid, Taous Khan and **Fazli Wahid*** “Bacterial cellulose-zinc oxide nanocomposites for burn wound healing and tissue regeneration” Oral presentation at the *5th International Symposium on Biomedical Materials*, PC Hotel Lahore. Organized by Interdisciplinary Research Centre in Biomedical Materials (IRCBM), COMSATS Institute of Information Technology, Lahore and University of Sheffield, UK. Page No. 49 (14-16 December 2016). (*Corresponding Author)

HONORS AND AWARDS

- ✓ **Best Researcher Award** in Department 2018 from COMSATS University
- ✓ **Appreciation Letter & Honorarium** from COMSATS University for 2017-18 Performance
- ✓ **Pakistan Council of Science & Technology (PCST)-Research Productivity Award - 2017**
- ✓ **Doctoral Fellowship Award** (Tuition and Fees, Monthly Stipend) form Kyungpook National University, Republic of Korea and Research Supervisor (Feb 2010 ~ Aug 2013).
- ✓ **Cash awards** in 2010, 2011, 2012 for SCI publication in world reputed journals from Kyungpook National University.
- ✓ **Master Fellowship Award** (Tuition and Fees, Monthly Stipend) form Kyungpook National University, Republic of Korea and Research Supervisor (Feb 2008 ~ Feb 2010).
- ✓ **HEC Approved Supervisor**
- ✓ **Research Productivity Award 2014, 2015, 2016**, for SCI publication in world reputed journals from COMSATS Institute of Information Technology.
- ✓ **Top 25 Hottest Articles** A paper first authored (MicroRNAs: Synthesis, mechanism, function and recent clinical trials, *Biochimica et Biophysica Acta - Molecular Cell Research*, 1803, 2010, 1231-1243) was selected as the top hottest article (<http://top25.sciencedirect.com/subject/biochemistry-genetics-and-molecular-biology/3/journal/biochimica-et-biophysica-acta-bba-molecular-cell-research/01674889/archive/28>)
- ✓ **Hottest articles in Medicinal & Pharmaceutical Chemistry** A paper co-authored (Curcumin in Cancer Chemoprevention: Molecular Targets, Pharmacokinetics, Bioavailability, and Clinical Trials, *Archiv der Pharmazie*, 343, 2010, 489–499,) was selected as one of the hottest article (<http://wileyasiablog.com/2012/02/23/top-articles-in-medicinal-pharmaceutical-chemistry/>)

